

Form PTO-1449				ATTY DOCKET NO. 0020-5153P		APPLICATION NO. NEW			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				APPLICANT Kazuhiko SHIRAKAWA					
				FILING DATE August 1, 2003		GROUP 2813			
U.S. PATENT DOCUMENTS									
EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
TN	US 4,939,562		1990-07-03	Adlerstein					
TN	US 5,198,964		1993-03	Ito et al.	361	386			
TN	US 5,734,193		1998-03	Bayraktaroglu et al.	257	579			
TN	US 5,864,169		1999-01	Shimura et al.	257	587			
TN	2001/0,055,955	A1	2001-12	Wagemans	455	226.4			
	US								
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FOREIGN PATENT DOCUMENTS									
	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO
TN	EP	0 693 778	A2	1996-01-24	EUROPE				
TN	EP	0 907 206	A1	1999-04-07	EUROPE				
TN	JP	08-279562	A	1996-10-22	JAPAN				
TN	DE	0 0382 5979	A1	1990-02	GERMANY				
TN	JP	40 620 9058	A	1994-07	JAPAN				
TN	JP	40 621 6270	A	1994-08	JAPAN				
TN	JP	8 279 562	A	1996-10-22	JAPAN				
OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)									
TN	William H. Hayt, Jr., Engineering Electromagnetics 1989, McGraw-Hill, Inc., Fifth Edition, pp. 229-231								
EXAMINER T. NGUYEN					DATE CONSIDERED 2/19/04				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									